

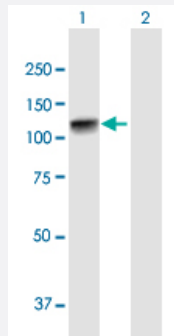
MaxPab®

ADD2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000119-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ADD2 expression in transfected 293T cell line ([H00000119-T02](#)) by ADD2 MaxPab polyclonal antibody.

Lane 1: ADD2 transfected lysate (79.86 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ADD2 protein.

Immunogen

ADD2 (AAH65525.1, 1 a.a. ~ 726 a.a) full-length human protein.

Sequence

MSEETVPEAASPPPPQGQPYFDRFSEDDPEYMRLRNRAADLRQDFNLMEQKKRVTMILQSPSF
REELEGLIQEQMKKGNNSSNIWALRQIADFMASHTSHAVFPTSSMNVSMMPINDLHTADSLNLAK
GERLMRCKISSVYRLLDLYGWAQLSDTYVTLRVSKQDHFLLISPKGVSCSEVTASSLIKVNILGEVV
EKGSSCFPVDTTGFCLHSAIYAARPDVRCIIHLHTPATAAVSAMKWGLLPVSHNALLVGDMAYYDF
NGEMEQUEADRINLQKCLGPTCKILVLRNHGVVALGDTVVEAFYKIFHLQAACEIQVSALSSAGGVE
NLILLEQEKHRPHEVGSVQWAGSTFGPMQKSRLGEHEFEALMRMLDNLGYRTGYTYRHPFVQEK
TKHKSEVEIPATVTAFVFEEDGAPVPALRQHAQKQKQEKTRWLNTPNAYLRVNVADDEVQRSMGS
PRPKTTWMKADEVKSSSGMPIRIENPNQFVPLYTDPQEVLEMRNKIREQNRQDVKSAGPQSQL
LASVIAEKSRSPSTESQLMSKGDEDTKDDSEETVPNPFSQLTDQELEEYKKEVERKKLELDGEK
ETAPEEPGSPAKSAPASPVQSPAKEAETKSPLVSPSKSLEEGTKKTETSKAATTEPETTQPEGV
VVNGREEEQTAEEILSKGLSQMTTSADTDVDTSKDKTESVTSGPMSPEGSPSKSPSKKKKKFRT
PSFLKKSKKKEKVES

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (92); Rat (92)

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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Lane 1: ADD2 transfected lysate(79.86 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ADD2

Entrez GeneID[119](#)**GeneBank Accession#**[BC065525.1](#)**Protein Accession#**[AAH65525.1](#)**Gene Name**

ADD2

Gene Alias

ADDB

Gene Description

adducin 2 (beta)

Omim ID[102681](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

Adducins are heteromeric proteins composed of different subunits referred to as adducin alpha, beta and gamma. The three subunits are encoded by distinct genes and belong to a family of membrane skeletal proteins involved in the assembly of spectrin-actin network in erythrocytes and at sites of cell-cell contact in epithelial tissues. While adducins alpha and gamma are ubiquitously expressed, the expression of adducin beta is restricted to brain and hematopoietic tissues. Adducin, originally purified from human erythrocytes, was found to be a heterodimer of adducins alpha and beta. Polymorphisms resulting in amino acid substitutions in these two subunits have been associated with the regulation of blood pressure in an animal model of hypertension. Heterodimers consisting of alpha and gamma subunits have also been described. Structurally, each subunit is comprised of two distinct domains. The amino-terminal region is protease resistant and globular in shape, while the carboxy-terminal region is protease sensitive. The latter contains multiple phosphorylation sites for protein kinase C, the binding site for calmodulin, and is required for association with spectrin and actin. Various adducin beta mRNAs, alternatively spliced at 3'end and/or internally spliced and encoding different isoforms, have been described. The functions of all the different isoforms are not known. [provided by RefSeq]

Other Designations

Adducin-2 (beta)|adducin 2|beta adducin

Disease

- [Anemia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Endolymphatic Hydrops](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hypertension](#)
- [Meniere Disease](#)
- [Proteinuria](#)
- [Tobacco Use Disorder](#)